

Converting Colors

CIELCh(32, 41.450, 293.587)

Have a look what the booklet for
CIELCh(32, 41.450, 293.587)
contains.

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Color

CIELCh(32, 41.010, 293.324)

Conversions

Conversions Part 1

Format	Color
Hex	3D4687
RGB	61, 70, 135
RGB Percent	24%, 27%, 53%
CMY	0.7616, 0.7262, 0.4714
CMYK	0.55, 0.48, 0.00, 0.47
HSL	233°, 38%, 38%
HSV	233°, 55%, 53%
XYZ	8.4474, 7.0852, 23.7649
YIQ	74.7190, -26.2290, 18.3070

Conversions

Conversions Part 2

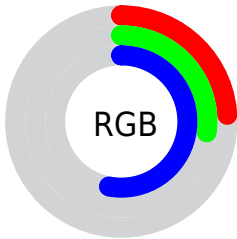
Format	Color
R_{YB}	61, 69, 135
Decimal	4015751
CIE _{Lab}	32.00, 16.24, -37.66
CIE _{LCh}	32, 41.010, 293.324
Yxy	7.0852, 0.2150, 0.1803
Android (android.graphics.Color)	4282205831 (0xFF3D4687)
YUV	74.7190, 29.7185, -12.0316
Hunter-Lab	26.6180, 10.0669, -34.3025

Details

The CIELCh color $32, 41.010, 293.324$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $52, 36.613, 98.913$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $52, 41.196, 293.401$, and $12, 41.409, 294.429$ is the 20% darker color. If you saturate the color by 10%, you get $28, 49.369, 295.694$, and if you desaturate by 10%, it is $36, 32.918, 291.208$.

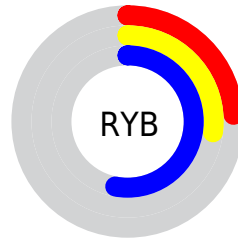
Distribution



Red (24%)

Green (27%)

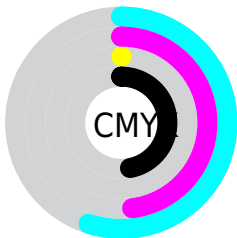
Blue (53%)



Red (24%)

Yellow (27%)

Blue (53%)

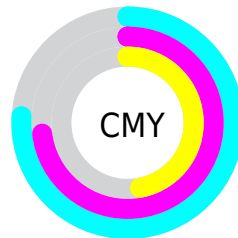


Cyan (55%)

Magenta (48%)

Yellow (0%)

Black (47%)



Cyan (76%)


Magenta (73%)


Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 41.010, 293.324 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 32, 41.010, 293.324 by changing the saturation by 10% instead.


 32, 41.010,
293.324


 32, 41.010,
293.324

 100, 41.010,
293.324


 22, 41.010,
293.324

 52, 41.010,
293.324


 12, 41.010,
293.324


 62, 41.010,
293.324

 2, 41.010, 293.324

 72, 41.010,
293.324

 0, 41.010, 293.324

 82, 41.010,
293.324

 92, 41.010,
293.324

■ 32, 41.010,
293.324

■ 32, 41.010,
293.324

■ 28, 49.369,
295.694

■ 36, 32.918,
291.208

■ 24, 57.869,
298.240

■ 41, 25.122,
289.361

■ 20, 66.176,
300.800

■ 45, 17.610,
287.769

■ 17, 73.633,
303.114

■ 50, 10.363,
286.406

■ 16, 76.877,
304.020

■ 54, 3.359, 285.251

■ 58, 3.420, 104.192

■ 63, 9.989, 103.339

■ 67, 16.360,
102.587

■ 71, 22.545,
101.931

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



32, 41.010, 293.324



52, 36.613, 98.913

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



32, 41.010, 293.324



32, 41.010, 343.324



32, 41.010, 113.324



32, 41.010, 163.324

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



32, 41.010, 293.325



63, 13.863, 286.591



52, 25.576, 183.784



32, 9.461, 286.822



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



32, 41.010, 293.325



36, 62.685, 296.340



32, 47.285, 307.796



26, 3.833, 285.711



15, 74.729, 303.948



0, 0.906, 284.713

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36, 34.043, 16.852



43, 51.333, 20.278



53, 42.504, 121.601



26, 3.085, 10.049



26, 58.387, 33.110



0, 0.720, 9.366

Previews

White Background



This preview shows how the CIE LCh color 32, 41.010, 293.324 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 32, 41.010, 293.324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

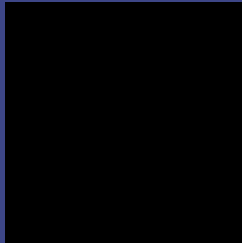
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 32, 41.010, 293.324

Background



This preview shows how black text looks on a background with the CIELCh color 32, 41.010, 293.324.



This preview shows how white text looks on a background with the CIELCh color 32, 41.010, 293.324.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

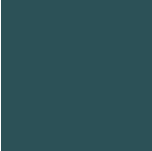
32, 41.010, 293.324

Protanopia

32, 41.299, 286.122

Deuteranopia

32, 37.146, 277.227



Tritanopia
32, 13.726, 213.879

Trichromacy



Original Color
32, 41.010, 293.324

Protanomaly
32, 41.156, 288.479

Deuteranomaly
32, 38.480, 282.393

Tritanomaly
32, 18.911, 264.577

Monochromacy



Original Color
32, 41.010, 293.324

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 15.259, 288.581

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 41.010, 293.324 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(61, 70, 135)` looks like.

```
.text, #text, p{  
    color:rgb(61, 70, 135)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(61, 70, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 70, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 41.010, 293.324 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(61, 70, 135) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(61, 70, 135) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(61, 70, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 70, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 70, 135);  
box-shadow:4px 4px 4px 4px rgb(61, 70,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 41.010, 293.324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 70, 135) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(61, 70,  
135) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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